

What's New in Version 3.5

- New system requirements
- Color profile embedding
- 12-bit-per-channel (36-bit) raw image file format
- Autofocus on/off control
- Scratch disk selection (Macintosh systems only)

System Requirements

Macintosh Systems

- A Power Macintosh family computer or compatible, with a PowerPC processor and 32 megabytes (MB) of RAM.
- Apple system software version 7.6 or later.
- ColorSync color management software version 2.5 or later (required for color profile embedding).
- Available hard drive space of 3 MB plus twice the size of the typical image file you expect to save.
- A video adapter and monitor capable of displaying 24-bit color (16.7 million colors) is recommended for optimal display of scanned pictures. (PolaColor Insight software runs on systems with adapters and monitors with less color capability, but pictures displayed on the monitor may not be satisfactory.)

PC Systems

- An IBM PC or compatible, with at least a 66-MHz Pentium class processor and 24 megabytes (MB) of RAM. (RAM equal to or greater than the typical image file size is recommended).
- Available hard drive space of 3 MB plus twice the size of the typical image file you expect to save.
- Microsoft Windows 95, Windows NT (version 4 or later), or Windows 98 operating system.
- An ASPI-compliant SCSI adapter with the appropriate Windows 95 or Windows NT drivers.
- A video adapter and monitor capable of displaying 24-bit color (16.7 million colors) is recommended for optimal display of scanned pictures. (PolaColor Insight software runs on systems with adapters and monitors with less color capability, but pictures displayed on the monitor may not be satisfactory.)

Using Color Profile Embedding

About Profile Embedding

PolaColor Insight version 3.5 software lets you embed color profile information within image files. The result is more accurate color rendition when you view or print these files with Adobe Photoshop software (version 5 or later) or other applications compatible with the ColorSync color management system or conforming to ICM standards. This system uses the color profile information to compensate automatically for color space differences among scanners, monitors, printers and other devices.

To achieve accurate color display and printing through profile embedding, you must set up your Photoshop software and scan with the PolaColor Insight program as described below.

Setting Up Photoshop Version 5 Software for PolaColor Insight Images

These instructions provide only one method for obtaining excellent results with PolaColor Insight images opened with Photoshop version 5 software. Refer to the Photoshop software instructions for more information and other ways to set up Photoshop's color management system.

- 1 Calibrate your monitor and create a monitor profile using the Adobe Gamma Control Panel utility provided with the Photoshop program. (You can also use other calibration utilities that generate an ICM 2.0 or ColorSync-compatible ICC profile.)
- 2 Display the Photoshop RGB Setup dialog box (choose Color Settings and RGB Setup from the File menu), make the following choices, and click OK.

RGB Setup Item	Setting
RGB	ColorMatch RGB
Display Using Monitor Compensation	Enabled (checked)

- 3 Display the Photoshop Profile Setup dialog box (choose Color Settings and Profile Setup from the File menu), make the following choices, and click OK.

Profile Setup Item	Setting
Embed Profiles	RGB enabled (checked) CMYK enabled (checked) Grayscale enabled (checked) Lab enabled (checked)
Assumed Profiles: RGB	Ask When Opening
Assumed Profiles: CMYK	Ask When Opening
Assumed Profiles: Grayscale	Ask When Opening

Profile Setup Item	Setting
Profile Mismatch Handling: RGB	RGB Color
Profile Mismatch Handling: CMYK	Ask When Opening
Profile Mismatch Handling: Grayscale	Ask When Opening

Scanning and Viewing Files with Embedded Profiles

After setting up the Photoshop program as described in the previous section, use these steps to scan an image with PolaColor Insight software, save the image file with color profile information embedded, and open it with the Photoshop program for viewing or further editing:

- 1 Start the PolaColor Insight program.
- 2 Follow the PolaColor Insight instructions to preview, correct and scan an image.
- 3 When the Save Image File As dialog box appears, make sure Embed Display Color Profile is enabled (checked).

Note: This choice is available only when saving the image in the TIFF format. (If you have a Macintosh system with ColorSync version 2.6 software installed, the choice is also available for files in the JPEG format.)

- 4 Type a name for the file and save it.
- 5 Start the Photoshop program (if not already running) and open the file.

If you followed the setup instructions in the previous section, the image opens, converts to the Photoshop program color space, and displays colors accurately.

- 6 Edit the file as desired and save it.

Creating 12-Bit-per-Channel Image Files

PolaColor Insight Version 3.5 allows images to be saved in a 12-bit-per-channel format intended for highly sophisticated image processing with other applications or for scientific and analytical uses. These 12-bit-per-channel image files contain the raw image data directly from the scanner without any PolaColor Insight image corrections applied.

To save an image in this format, follow the PolaColor Insight instructions to preview and scan an image. (Any corrections you make will be ignored.) When the Save Image File As dialog box appears, make sure Scan 12 Bits per Channel is enabled (checked).

This feature is available only when saving as TIFF or Photoshop 3.0 images on Macintosh systems or as TIFF images on PC systems.

Enabling Autofocus on Final Scan

To reduce the time required for a scan, the scanner automatic focus function is normally disabled. For most scans at normal sizes and resolutions, disabling autofocus does not degrade the

image. When scanning small areas at high resolutions, however, enabling autofocus may improve image sharpness.

To enable or disable autofocus during the final scan:

- 1 Click Preferences on the Edit menu.
- 2 Click the Scanning tab (PC systems only).
- 3 Click Enable Autofocus on Final Scan to display or remove the checkmark.
- 4 Click OK.

Selecting a Scratch Disk (Macintosh systems only)

During image processing on Macintosh computers, PolaColor Insight software stores temporary files on the hard disk. The disk used for these files is called the “scratch” disk.

If necessary, you can select a different drive for use as a scratch disk with these steps:

- 1 Click Preferences on the Edit menu.
- 2 Click the Scratch Disk popup and select a disk drive.
- 3 Click OK.

Problem-Solving Tips

Correcting “Insufficient Memory” Message (Macintosh systems only)

If a message on a Macintosh computer indicates that PolaColor Insight has insufficient memory space, increase the amount of memory available to the program as follows:

- 1 Quit the PolaColor Insight program.
- 2 Click the PolaColor Insight program icon to select it.
- 3 Select Get Info from the File menu in the Finder.
- 4 Double-click the Preferred Size box and type a larger number. This number should be the same as or larger than the value in the Suggested Size box.
- 5 Click OK.
- 6 Restart the PolaColor Insight program.

Correcting “Scanner Not Found” Message

If your computer displays the message “Scanner not found,” the problem could be one of the following:

- Scanner power off
- Loose or disconnected SCSI connector on the back of the scanner or the computer
- Scanner door not in raised position (SprintScan 4000 scanners only)

© Copyright Polaroid Corporation, 1999. All rights reserved.
“Polaroid”, “PolaColor” and “SprintScan” are trademarks of Polaroid Corporation, Cambridge, MA U.S.A. All other product names may be trademarks of their respective owners.

PW-21049X-0